

CLAIMS:

1. (canceled)
2. (canceled)
3. (original) A nucleic acid synthesizer comprising one or more reaction chambers and a heating component configured to heat said one or more reaction chambers during a synthesis reaction.
4. (original) The nucleic acid synthesizer of Claim 3, wherein said heating component comprises a resistance heater.
5. (original) The nucleic acid synthesizer of Claim 3, wherein said heating component comprises a Peltier device.
6. (original) The nucleic acid synthesizer of Claim 3, wherein said heating component comprises a heated reagent.
7. (original) The nucleic acid synthesizer of Claim 3, wherein said heating component comprises a magnetic induction device.
8. (original) The nucleic acid synthesizer of Claim 3, wherein said heating component comprises microwaves.
9. (original) The nucleic acid synthesizer of Claim 3, wherein said heating component comprises a transfer of heat from a fluid or a gas.
10. (original) A nucleic acid synthesizer, comprising:
 - a. one or more reaction chambers containing an oligonucleotide; and
 - b. a heating component,

wherein said heating component is configured to heat said one or more reaction chambers during a synthesis reaction wherein said oligonucleotide is coupled to a synthesis reagent.